

1 ~~12~~ (New) The tip as recited in claim 11, wherein said tip includes a
2 dielectric band.

1 ~~13~~ (New) A thermokeratoplastic probe that can be used to denature a
2 cornea, comprising:
3 a handle;
4 a first connector attached to said handle;
5 a second connector that mates with said first connector; and,
6 a tip that is coupled to said second connector, said tip having a length
7 between 300 and 600 microns.

c 1 ~~14~~ (New) The ^{thermokeratoplasty} ~~thermokeratoplastic~~ probe as recited in claim 13, further
2 comprising a stop that limits an insertion depth of said tip into the cornea.

1 ~~15~~ (New) The thermokeratoplastic probe as recited in claim 13,
2 wherein said tip is located at a distal end of a spring beam.

1 ~~16~~ (New) A thermokeratoplastic system for denaturing a cornea,
2 comprising:
3 a thermokeratoplastic probe which has a tip that can be placed in contact
4 with the cornea; and,
5 a power supply which provides no more than 1.2 watts of power to said
6 thermokeratoplastic probe for a time duration no greater than 1 second.

1 17. (New) The system as recited in claim 16, further comprising a
2 ground pad that provides a return path for the power provided to said
3 thermokeratoplastic probe.

1 18. (New) The system as recited in claim 16, wherein said
2 ~~thermokeratoplastic~~ probe includes a tip which has a length between 300 and 600
3 microns.

1 19. (New) The system as recited in claim 16, wherein said
2 ~~thermokeratoplastic~~ probe includes a handle, a first connector attached to said
3 handle, and a second connector that mates with said first connector.

1 20. (New) The system as recited in claim 18, wherein said
2 ~~thermokeratoplastic~~ probe includes a stop that limits an insertion depth of said
3 tip into the cornea.

1 21. (New) The system as recited in claim 18, wherein said tip is located
2 at a distal end of a spring beam.